

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/NZ 99/00193

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>		
Int Cl <sup>7</sup> : D06F 33/02		
According to International Patent Classification (IPC) or to both national classification and IPC		
<b>B. FIELDS SEARCHED</b>		
Minimum documentation searched (classification system followed by classification symbols) D06F 33/		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WPAT : D06F 33/- and pump + and (stop+ or repeat+ or or intermit+)		
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Derwent abstract Accession No 86-234682/36 class F07 JP 61162980 A (MATSUSHITA ELEC IND KK) 23 July 1986 Abstract	1-6
X	Derwent abstract Accession No 93-139666/17 class F07 JP 05076687 A (HITACHI LTD) 30 March 1993 Abstract	1-6
X	Derwent abstract Accession No 98-265302/24 class F07 JP 10085487 A (SANYO ELECTRIC CO LTD) 7 April 1998 Abstract	1-6
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C		<input checked="" type="checkbox"/> See patent family annex
<ul style="list-style-type: none"> <li>* Special categories of cited documents:</li> <li>"A" Document defining the general state of the art which is not considered to be of particular relevance</li> <li>"E" earlier application or patent but published on or after the international filing date</li> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but later than the priority date claimed</li> </ul>		
Date of the actual completion of the international search 10 March 2000		Date of mailing of the international search report <b>20 MAR 2000</b>
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200 WODEN ACT 2606 AUSTRALIA E-mail address: <a href="mailto:pct@paustralia.gov.au">pct@paustralia.gov.au</a> Facsimile No.: (02) 6285 3929		Authorized officer  <b>PETER WARD</b> Telephone No.: (02) 6283 2129

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<b>C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT</b>		
<b>Category*</b>	<b>Citation of document, with indication, where appropriate, of the relevant passages</b>	<b>Relevant to claim No.</b>
X	EP 407272 A (ESSWEIN S.A.) 9 January 1991 Abstract	1-6

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## Box I Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3.  Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

## Box II Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. Claims 1-6, a method of operating a drain pump in a washing machine.
2. Claims 7-10, a method of braking a washing machine spin tub.
3. Claim 10 directed to a method of powering on and off a washing machine.
4. Claim 11 directed to an optocoupler drive circuit.
5. Claims 12-14 directed to a laundry machine drain pump drive.

1.  As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

I-6

### Remark on Protest

The additional search fees were accompanied by the applicant's protest.  
 No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No.  
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This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member	
EP	407272	FR	2649422

END OF ANNEX